

XINGHANG

Smart Metering



Embrace The Future With Ultrasonic Water Meter Technology



Application Standards

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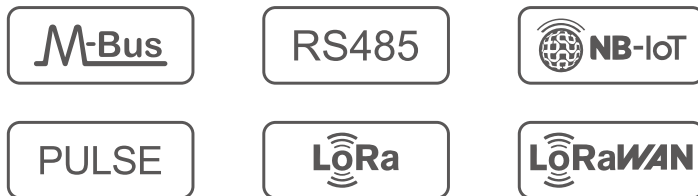
LXC-15G-40G

Application

Ultrasonic water meter designed for measuring of cold water(T50) and hot water (T90) consumption in households, blocks of flats and for industrial applications.

- M-BUS/RS485 Protocol: *EN13757*
- Modbus Baud Option: *2400 or 9600*
- Pulse Option: *1L/Pulse or 10L/Pulse*
- LoRa/LoRaWAN Frequency Rate:
868MHz, 915MHz, 902MHz, 920MHz, etc

Communication

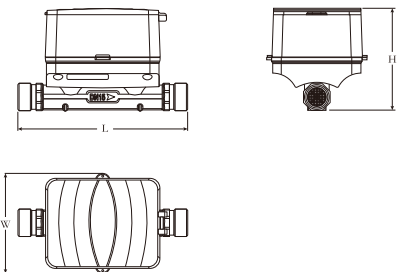


Feature Highlights

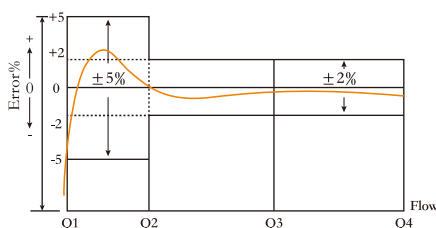
- Max battery life 15 years
- Exceptional IP68 proof
- Install in any position
- No air measuring
- Detecting pipe leaks
- The unique patent design

Dimensions

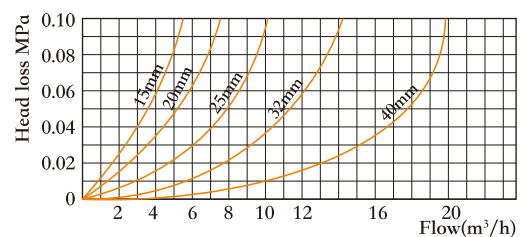
Nominal Diameter (mm)	DN15	DN20	DN25	DN32	DN40
Thread	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B
L (mm)	165	195	225	180	200
H (mm)	85	90	95	115	125
W (mm)	85	85	85	85	85



Error Curve



Head Loss Curve





Main Technical Specifications

	DN15	DN20	DN25	DN32	DN40
Q ₄ (Q _{overflow})m³/h	3.125	5	7.875	12.5	20
Q ₃ (Q _{max/permanent})m³/h	2.5	4	6.3	10	16
Q ₂ (Q _{transitional})m³/h	0.01	0.016	0.0252	0.064	0.1024
Q ₁ (Q _{min})m³/h	0.00625	0.01	0.01575	0.04	0.064
Start Flow Rate m³/h	0.002	0.002	0.003	0.005	0.005
Dynamic Range	R400			R250	
Standard	ISO4064 / OIML R49				
Measured Medium	Water				
Metrological Class	Class 2				
Battery	3.6V, Li-battery ER26500(Default) / ER34615				
Battery Life	≥10 Years				
Consumption	<0.2mW				
Pressure Loss	DN15-DN25: Δp40		DN32-DN40: Δp63		
EMC	E1				
Environmental Classification	Class B				
Protection Class	IP68				
Medium Temperature	T50/T90				
Storage Temperature	-25~55℃				
MAP	PN16				
Accuracy	±5% in range Q1≤Q<Q2				
	±2% in range Q2≤Q≤Q4				
Material	Brass 59-1				
The Installation Sensitivity	U0/D0				
Climatic and Mechanical	M1				
Environmental Grades					
Key-press	Touch control technology				
Display	LCD 9 digit + prompt				
Menu Contents	Instantaneous flow (m³/h), cumulative flow (m³), full screen display, meter address, cumulative working time (h), date (year/month/day), caliber, software version				
Display Range	Total flow :0m³~+99999.9999m³				
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT				
Display and Indication	Unit: L/m³/Gal (optional)				
Data Storage	84 months				



Installation Position

